



## LEADING THE WAY TO TOMORROW'S INTERNET


 
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## PUBLICATIONS

### DCP Today

Volume 2, Issue 18  
November 15, 2001

Welcome to DCP Today, CENIC's twice-monthly electronic newsletter detailing the latest news about the Digital California Project.

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#### Digital California Project News

##### UCLA HAMMER MUSEUM HOSTS DCP MEETING FOR LOS ANGELES MUSEUMS

On October 26, the UCLA Hammer Museum (<http://www.hammer.ucla.edu/>) hosted a gathering of representatives from museums in the Los Angeles area. The meeting introduced the Digital California Project to a community that provides rich educational resources to schools and colleges in the greater Los Angeles area. The Getty, Huntington, CMLA and other leading institutions discussed the importance of using the DCP and Internet2 to reach classrooms across the state.

The goals of the meeting were

- to make information about the initiatives of both Internet2 and CENIC available to educational institutions in Los Angeles,
- to bring attendees up to date about California's progress in making high-speed connections available to schools and museums,
- to learn more about UCLA's role in the initiatives of Internet2 and CENIC,
- to allow for discussion and questions,
- to foster institutional collaborations and projects, and
- to demonstrate some education and outreach applications of this high-speed technology.

The speakers were Ann Doyle, Manager, Arts and Humanities Initiative for Internet2; John Vaile, Director, Digital California Project Applications; Leann Parker, Office of the President of the University of California; and Jim Davis, Associate Vice Chancellor for Information Technology, UCLA. CENIC offers California and Internet2 offers the nation, high speed, broad bandwidth backbone for educational use only.

Source: John Vaile, Director DCP Applications

##### NETWORK INSTALLATION UPDATE

To date, 62 of the 71 first round node sites have been certified as meeting all original node site requirements. Equipment for nine of the twelve backbone hub sites has been configured and installed, and twenty-four (24) first round DCP node sites are currently connected to the backbone. The installation schedule calls for an additional nine (9) node site installations this calendar year, mostly in November. This will bring the total of installed node sites by year's end to 33 out of 71, or 46% of the Round One node sites. For future reference, the DCP implementation schedule can be viewed online at the following URL: <http://www.cenic.org/nid/Nodes.html>.

The planned microwave solution to reach the geographically isolated node sites in the North Eastern part of California may no longer be necessary since additional fiber appears to be available in that region. The Network Planning Team is actively pursuing this matter.

Hub equipment has been configured and installed at the Bakersfield, Anaheim, Fresno, Stockton, Chico, Cal Poly SLO, WestEd, San Diego and Salinas PoPs. Various issues still need to be resolved at the three remaining DCP hub sites.

At the Sunnyvale PoP, power issues are still pending, but it is hoped that Pacific Bell will be able to begin its work there in mid-November. The node sites served out of this PoP currently have early to mid-February 2002 installation dates.

At the new CENIC PoP in Sacramento, construction remained on schedule and was recently completed. Pacific Bell has been given access and was able to certify the site for installation of its equipment. It is expected that Pacific Bell will have completed their work by mid-December. Connectivity for this new hub site to the rest of the network is underway. The node sites out of this PoP currently have February 2002 install dates, although it is hoped these dates can be moved into January 2002 if the site can be connected to the backbone in the near future.

Final details related to the PoP in Reno, Nevada which will serve the DCP node sites along the California-Nevada border, are still pending. Additionally, we are still waiting on Williams Communications to provide circuit due dates for the three DS-3 circuits into this hub site.

ISP services for the network were delivered as scheduled effective 10/31/01. Additional Internet drains for redundancy and robustness of the network are in the process of being installed.

Source: Edwin Smith, Network Implementation Project Manager

#### **E-Content Delivery Team Progress**

The DCP Multimedia E-Content Delivery team is a committee which focuses on identification and assessment of technologies to facilitate use of resources by enhancing delivery of these resources across the network. Its members are Mac Carey, Contra Costa County Office of Education; Hall Davidson, Coast Community College District; Sherilyn Evans, CENIC; Rick Fitzpatrick, Shasta County Office of Education; Don Kairott, California Department of Education; Patrick Kennedy, University of California Office of the President; John Lindsay, Kern County Office of Education; Jim Magill, Los Angeles County Office of Education; Mike Mellon, Monterey County Office of Education; Russ Selken, Butte County Office of Education; and Skip Sharp, San Diego County Office of Education

The E-Content team recognizes that there are distinctions between local and global network solutions. Only products in the latter category are being considered in the context of DCP's "Multimedia E-Content delivery" effort. The role of the team is not to assess appropriateness of materials, but to facilitate delivery of materials that have been identified as appropriate by the DCP Applications Coordination Team.

Major tasks completed to date include: development of the project plan; Identification of categories of applications that may benefit from E-Content delivery technologies; identification and preliminary assessment of available "content distribution" products; Identification of strategies and technologies being used in other K-20 networks; and development of equipment evaluation projects.

The team plan for FY 2001-02 includes: evaluation of currently available products from manufacturers of "content distribution" products; development of a white paper on E-Content delivery technologies and strategies ; development of a Frequently Asked Questions (FAQ) and other informational documents; if appropriate, development of a competitive RFP resulting in implementation of one or more products or technologies; exploration of large-scale data warehouse solutions for centralized storage, potential mirroring of large data stores, and management of such resources; and monitoring progress in the research on/ development of Internet2 protocols/standards for global peered network services.

Source: Sherilyn Evans, DCP Project Administrator

#### **HIGH-TECH HIGH SCHOOLS GRANT PROGRAM**

On October 10, 2001, Governor Gray Davis signed a law establishing the High-Tech High Schools Grant Program to provide ten \$2,000,000 grants to eligible California school districts or charter schools for the purpose of establishing new "high-tech high schools".

A "high-tech high school" is defined as a public comprehensive high school maintained by a school district or charter school that offers a very rigorous college preparation curriculum with an emphasis in science, mathematics, and engineering, and also may include digital arts and media. Technology shall be integrated throughout the curriculum and shall be a fundamental tool for both teaching and learning. Instruction at a high-tech high school shall be consistent with the state's academic content standards, and the applicable curriculum framework content standards.

The Superintendent of Public Instruction will administer the program with the approval of the State Board of Education and the assistance of an advisory board, which will be required to award grants on a competitive basis. A local match at least equal to the amount of the grant is required for consideration.

The following criteria are among those to be considered by the SPI and the advisory board when evaluating grant applications, though other factors will also be considered:

- Geographic representation among the funded sites.
- Consideration for rural schools, urban schools, and other schools that are not located in parts of the state that are typically associated with high technology.
- Consideration for schools that will serve high-poverty or educationally disadvantaged pupils.

Interested school districts or charter schools should submit an application to the Superintendent of Public Instruction by February 1, 2002 to be considered for Phase I funding (the first five grants), and February 1, 2003 for Phase II funding (the remaining five grants).

For more information on this program, contact Nancy Sullivan of the California Department of Education at (916) 323-5715.

Source: Patrick Kennedy, DCP Communications Team

### **National Education Technology News**

#### **BUSH ANNOUNCES FRIENDSHIP THROUGH EDUCATION CONSORTIUM**

On Thursday, October 25, President George W. Bush joined leaders of the Friendship Through Education Consortium at a Washington, DC school to highlight the group's important new effort to build relationships between youth in the United States and other countries. The initial members of the Consortium include: The UN's Cyberschoolbus, ePals Classroom Exchange, Global SchoolNet Foundation, iEARN-USA, People to People International, Schools Online, Sister Cities International, US Fund for UNICEF, and Paul D. Coverdell World Wise Schools of the Peace Corps.

The Friendship through Education Consortium is committed to creating opportunities that facilitate online and offline interactions between the youth of the world, inside and outside of classrooms, in order to build a culture of peace in which the dignity and rights of all human beings are respected.

The effort focuses initially on expanding links between U.S. schools and those in Islamic countries, including Egypt, Indonesia, Qatar, Pakistan, Turkey, Bahrain and Afghan refugee camps. The consortium will provide information on how students can link students through letters, email, art, collaborative projects and physical exchanges to foster mutual respect and greater understanding of cultural differences.

For more information about Friendship Through Education, visit <http://www.FriendshipThroughEducation.org>

Source: <http://www.globalschoolnet.org>

#### **Internet2 Networks Link Chester County Educators With International Experts On Helping Students Cope With Crisis**

Thanks to the next-generation Internet, educators in Chester County whose students have been traumatized by this fall's attacks were linked with an international panel of experts on child trauma. The half-day session enabled local teachers to learn and collaborate with people from around the world.

The Nov. 7 session brought together several dozen Chester County, Pennsylvania, teachers to view an interactive panel including experts from around the world who participated using high speed video conferencing and International high speed networks. The panelists included Ruth Leitch of Queen's University in Belfast, Northern Ireland; Moshe Israshvili of Israel's Tel Aviv University; Scott Poland, former president of the National Association of School Psychologists, who appeared from Houston via an Internet2 backbone connection. Topics covered included the effects of media coverage on students, public schools' role in helping students deal with trauma, and how schools can ensure that students continue learning in the face of stressful world events.

The conference took place utilizing multiple research and educational networks around the globe. Networks supporting this effort included the Abilene network in the US (connecting Chester County and the Texas A&M Health Science Center in Houston), JANET for Queens University in Belfast, Northern Ireland and the IUCC network in Israel.

Source: Internet2

#### **NIH MAKES VIDEOCASTS OF EVENTS AND LECTURES AVAILABLE**

The Center for Information Technology at the National Institutes for Health is making special NIH events, seminars, and lectures available to viewers on the NIH network and the Internet from the VideoCast web site at <http://videocast.nih.gov>. NIH has started with several of their strongest Institutes and prestigious crossroads lecture series. These bring leading researchers from US & foreign locations to NIH. So far, 156 events are scheduled & 716 events have been recorded and archived for desktop video-on-demand availability to any Internet user.

Source: NIH

#### **ESTATNEWS: MERGING TECHNOLOGY AND TRAINING IN E-LEARNING**

The first annual reader survey from Online Learning Magazine <http://www.onlinelearningmag.com> finds that the percentage of organizations using e-learning to train employees grew from 16% in 2000 to 24% in 2001. Though traditional instructor-led courses were the most popular in 2000 and 2001, the percentage of respondents claiming it as the main mode of delivering instruction declined from 65% for 2000 to 57% for 2001

Methods used by businesses to train employees 2000 & 2001:

	2000	2001
Traditional instructor-led courses	65%	67%
e-Learning courses	16%	24%
Text-based books/manuals	7%	6%
CD-ROM/Diskette	6%	6%
Videotape	3%	2%

Satellite broadcast	2%	2%
Other	3%	3%

Source: International Data Corporation (IDC) for Online Learning Magazine, October 2001

#### **About CENIC**

CENIC is a not-for-profit corporation formed by the California Institute of Technology, the California State University, Stanford University, the University of California, and the University of Southern California to facilitate and coordinate the deployment, development, and operation of a set of seamless and robust advanced network services. The CENIC Associates program offers qualified companies the opportunity to collaborate with CENIC in pursuit of the goal of providing the most advanced network services for research and education. Cisco Systems, Nortel Networks, Pacific Bell, and the University and Community College System of Nevada are CENIC's Partner Associates.

More information about CENIC is available at: <http://www.cenic.org>.

#### **About DCP**

The Digital California Project is a project of CENIC. A multi-million dollar effort funded by the State of California, the DCP was designed to build the necessary network infrastructure needed to prepare California's schools to take advantage of tomorrow's advances in network technology. In essence, CENIC is developing an advanced-services network to serve the entire California K-20 education and research community.

#### **Subscription Information**

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Last Update: December 14, 2004